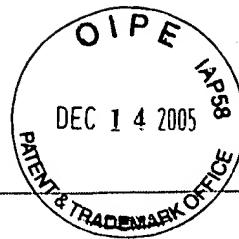


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align Results

Please cite: Pearson, W.R., Wood, T., Zhang, Z., and Miller, W. (1997) *Comparision of DNA sequences with protein sequences*, *Genomics* 46: 24-36

```
>_ SEQ ID NO:89                               166 aa vs.  
>_ SEQ ID NO:12                               286 aa  
scoring matrix: , gap penalties: -12/-2  
16.0% identity;      Global alignment score: -188
```

10		20		
261315 MTQSQTVTVDQQ-----	EILNRAN-----	EVEAPMA---DP---		
..: . . .: .	: . . .: .	. : . . : :		
-GDSFWAAAADQMARGFVLGATAGRRTLTGEGLQHADGHSLLL	DATNPAAVVA	YDPAFAYEI		
10	20	30	40	50

70	80	90	100		
261315 AK---ERQRLAT-----SLRNAAKXYGEVDEEAAT-----ALDNDGEGTVQAES-----		
EQRTNPKQILASGVAMPAALRAAQMLAAEWDVAADVWSVTSGELNRDGV-VIETEKLRH		
120	130	140	150	160	170

140 150 160
261315 RKLETGDQGASLAHX-GDGWNTXTLTL-----QGD-----
.: . : . . . : . : : .
- RRYFNTDAESQVGRGFGRGWPGRRVNIDPFGAGRGPPAQLPGFDEGGGLRPXK
240 250 260 270 280

Elapsed time: 0:00:00

EXHIBIT A